



## Fact sheet Glass fabric hose GS.SIK-FLEXIBLE

Conforms to RoHS guideline 2011/65 EU and Reach regulation EG 1907/2006

produced acc.to DIN EN 60684-3-400 to 402 | Insulation class H 180° C

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### Application:

In the manufacture of motors and transformers, for the protection of electrically, thermally and mechanically used components and machines, plants and apparatus construction. For installation neither heat nor tools are required.

The glass fabric hose can be easily pushed over every shape and forms a perfectly fitting jacket. With its versatile properties this glass fabric hose is a good alternative for shrink tubing. Only a few examples is any kind of cable connection, rectangular conductors (coated) on copper bars and connection, insulated and coated cable harness

### Structure:

The glass fabric is made of alkali-free e-glass filament. The textile is braided fully covered on our modern braiding machines in our in-house braiding and has a wall thickness depending on the inner diameter of 0,3 mm to 0,8 mm.

### Coating:

The coating is made of high-quality silicone elastomer rubbers (LSR) resistant to hydrolysis, which are bonded to the glass fabric hose in just one single step. The flame-resistant silicone-rubber does not melt and does not liberate toxic gases.

### Characteristics:

dielectric strength	8 – 10kV	(stretched up to 100%, 4 – 6kV)
continuous temperature	+ 180° C	
short-term temperature	+ 250° C	
resistance to cold	suitable up to - 30°C, very good cold flexibility	
	In fixed installations it works at lower temperatures.	

Halogen-free, ozone- and UV-resistant, resistant to moisture, resistant to commercially available oils and impregnating varnish and is not hazardous to health (psychological indifference)

### Dimensions and tolerances:

Dimension of the inner diameter: 4,0 mm bis 22,0 mm ± 0,2 mm x wall thickness 1,2 ± 0,1 mm

### Delivery:

The finished hoses are wound on a cardboard spool in adjusted quantities.  
The packing of glass fabric hoses can also be made on cutting machines.

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